Fast Flux Test Facility (FFTF) Project (RL-0042)

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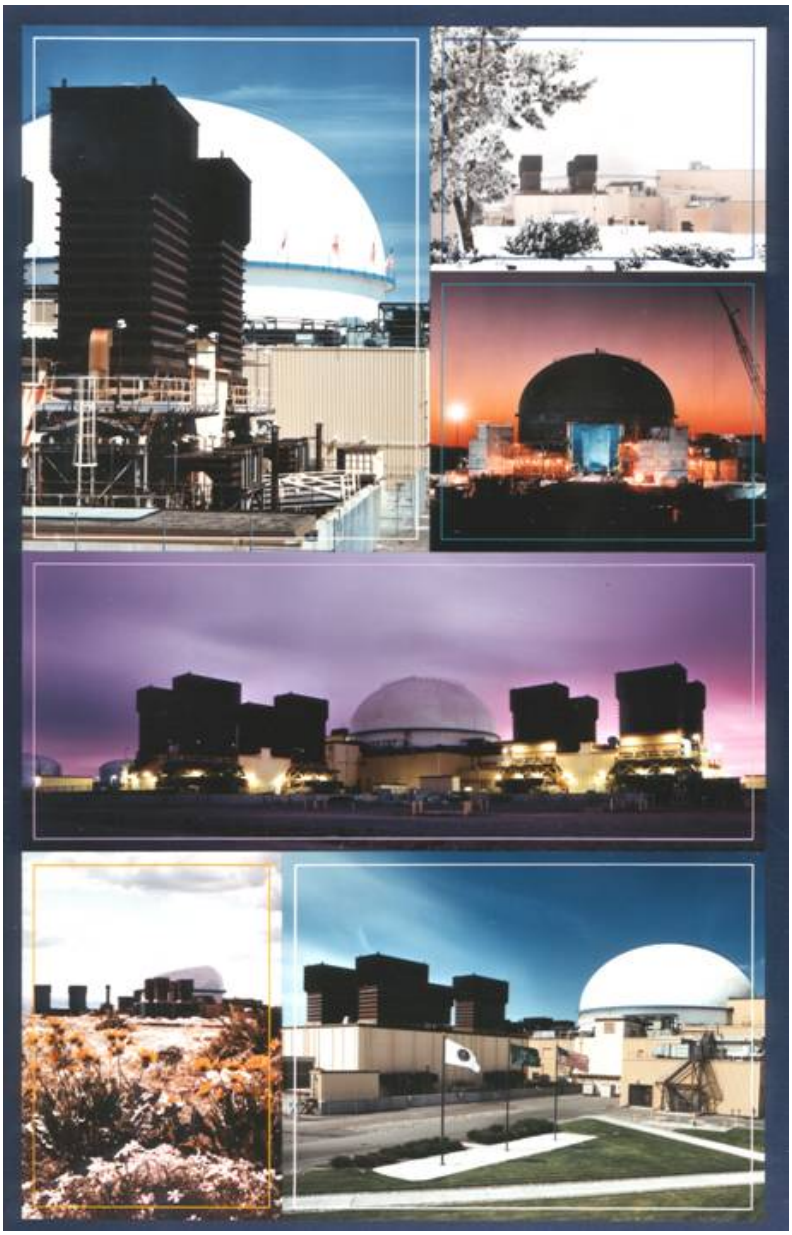


The Fast Flux Test Facility

Overview

This section addresses work in Project Baseline Summary RL-0042, *Nuclear Facility Deactivation and Decommissioning, Fast Flux Test Facility Project.*

NOTE: Unless otherwise noted, all information contained herein is as of the end of February 2005.

Notable Accomplishments

Fuel Offload: Fuel assemblies are being arranged (shuffled) within Interim Decay Storage (IDS) to optimize late summer fuel offload activities. The first of three sets of fuel shuffles was completed in February. This involved moving all 22 fuel assemblies from IDS Row C and combining them with the assemblies in IDS Row D.

Primary Sodium Drain: Preparations for draining the reactor vessel (Phase 3 of primary sodium drain) continue. The upper section of the Reactor Vessel Drain Pump assembly is complete. The top flange was installed in February and sodium and gas valves will be installed in March. Work to resolve concerns related to the core support structure drilling operation continue. The resolution involves use of a go-no-go gauge to determine whether the drill bit will fit through the tube in the core basket, and performance of a full length reaming operation if needed.

Transfer of Liquid Metal System Equipment to Sandia National Laboratory: The Department of Transportation shipping exemption needed to transport two sodium-wetted electromagnetic pumps (from The Nuclear Energy Legacy program) was approved and the pumps were sent to Sandia National Laboratory on February 18, 2005.

Pedestal Mounted Manipulator: The rotational drive system for the electro-mechanical Pedestal Mounted Manipulator was repaired in February. This manipulator is the primary remote handling machine in the Interim Examination and Maintenance Cell, and is required for both fuel washing and fuel disassembly. This maintenance included significant mechanical and electrical repairs.

FY 2005 Funds vs. Spend Forecast ($M)

	Projected FY 2005 Funding	FY 2005 Fiscal Year Spend Forecast	Variance
FFTF Project	$ 44.9	$ 44.6	$ 0.3

FY 2005 Schedule/Cost Performance ($M)

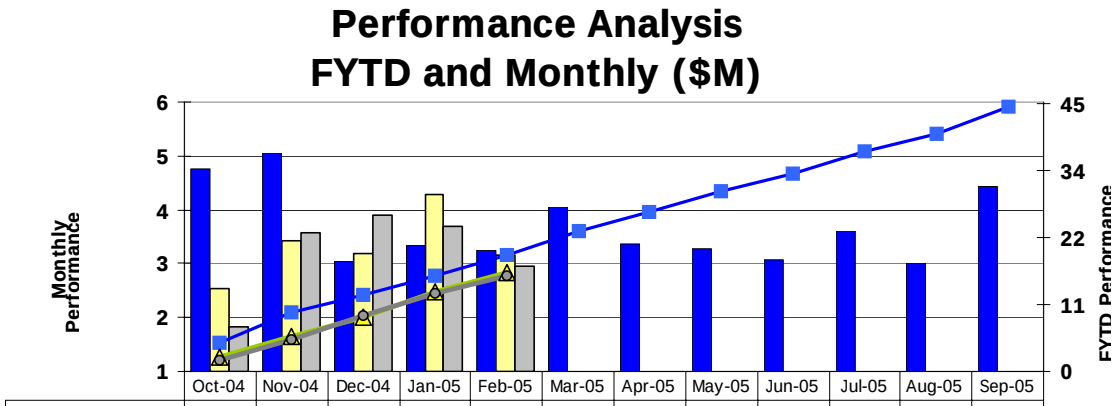
	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance $	Schedule Variance %	Cost Variance $	Cost Variance %	Budget At Completion
FFTF Project	$19.3	$16.6	$16.0	-$2.8	-14.3%	$0.6	3.8%	$44.2

Numbers are rounded to the nearest $0.1M.

Schedule Performance (-$2.8M/-14.3%): The schedule variance is primarily due to the Interim Storage Cask procurement being budgeted in October and November to clearly identify the timing of needed funds; the fabrication will actually occur from December until the end of the fiscal year.

Cost Performance (+$0.6M/+3.8%): The cost variance is due to staffing underruns and efficiencies.

FY 2005 Schedule/Cost Performance, continued



	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05
Monthly BCWS	4.8	5.1	3.0	3.3	3.3	4.1	3.4	3.3	3.1	3.6	3.0	4.4
Monthly BCWP	2.5	3.4	3.2	4.3	3.2							
Monthly ACWP	1.8	3.6	3.9	3.7	3.0							
FYTD BCWS	4.8	9.8	12.8	16.1	19.3	23.4	26.7	30.0	33.1	36.7	39.7	44.2
FYTD BCWP	2.5	6.0	9.1	13.4	16.6							
FYTD ACWP	1.8	5.4	9.3	13.0	16.0							

Milestone Achievement

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comments
RL42-1a3	Complete loading and transferring ten additional Interim Storage Casks (ISCs)	PI	3/31/05	See Note	3/31/05	See Note

NOTE: The ninth ISC was loaded and shipped on January 21, 2005. The tenth ISC was damaged during manufacturing; that ISC will be replaced by the vendor in late summer 2005.